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CLAIMS

- 1. An adsorbent of high-mobility-group proteins comprising a water-insoluble carrier on which (a) substance(s) having (a) hydrogen-bondable functional group(s) and/or (a) hydrophobic functional group(s) is(are) immobilized.
- 5 2. The adsorbent according to claim 1, wherein said hydrogen-bondable functional group(s) is(are) (a) cationic functional group(s).
 - 3. The adsorbent according to claim 2, wherein said cationic functional group(s) is(are) primary amino group, secondary amino group, tertiary amino group, imino group and/or quaternary ammonium group.
- 4. The adsorbent according to claim3, wherein said cationic functional group(s) is(are) represented by the following Formula (I):

$$R^{1}$$
 R^{1}
 R^{2}
 R^{1}
 R^{2}
 R^{3}
 R^{3}
 R^{1}

(wherein R^1 , R^2 and R^3 independently represent hydrogen atom or a C_1 - C_5 alkyl group, respectively)

- 5. The adsorbent according to claim 4, wherein in Formula (I), R^1 , R^2 and R^3 independently represent hydrogen atom or a C_1 - C_2 alkyl group, respectively.
- 6. The adsorbent according to claim 5, wherein all of R^1 , R^2 and R^3 in Formula (I) represent methyl group.
- 7. The adsorbent according to claim 1, wherein said hydrogen-bondable functional group(s) is(are) (an) anionic functional group(s).
- 8. The adsorbent according to claim 7, wherein said hydrogen-bondable functional group(s) is(are) carboxyl group, sulfate group, sulfonic acid group, and/or phosphate group.
 - 9. The adsorbent according to claim 1, wherein said hydrophobic functional group(s) is(are) (an) alkyl group(s) having not less than 6 carbon atoms, or (an)

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aromatic group(s).

- 10. The adsorbent according to claim 1, wherein said substance(s) having (a) hydrogen-bondable functional group(s) and/or (a) hydrophobic functional group(s) is(are) (a) peptide(s) or (an) amino acid(s).
- 5 11. The adsorbent according to claim 3, wherein said substance(s) having (a) hydrogen-bondable functional group(s) is(are) (a) peptide(s) or (an) amino acid(s) having (an) amino group(s) in its(their) side chain(s).
 - 12. The adsorbent according to claim 11, wherein said substance having (a) hydrogen-bondable functional group(s) is(are) polylysine.
- 10 13. The adsorbent according to claim 7, wherein (a) polysaccharide(s) having (an) sulfate group(s) is(are) immobilized.
 - 14. The adsorbent according to claim 13, wherein said polysaccharide is heparin or dextran sulfate, or a derivative thereof.
 - 15. An adsorbent of high-mobility-group proteins comprising a water-insoluble carrier on which (an) antibody(ies) to said high-mobility-group proteins is(are) immobilized.
 - 16. The adsorbent according to claim 15, wherein said adsorbent has a rate of adsorption for high-mobility-group proteins of not less than 50%, and has a rate of adsorption for serum albumin of not more than 20%.
- 20 17. The adsorbent according to any one of claims 1 to 16, wherein said water-insoluble carrier is in the form of fibers.
 - 18. The adsorbent according to any one of claims 1 to 16, wherein said water-insoluble carrier is in the form of beads.
 - 19. The adsorbent according to any one of claims 1 to 18, which is used for therapy of sepsis.
 - 20. A body fluid-purification column for removing high-mobility-group proteins, comprising a column, and said adsorbent according to any one of claims 1 to 19,

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which adsorbent is packed in said column.

- 21. The body fluid-purification column according to claim 20, by which extracorporeal circulation of whole blood can be attained.
- 22. The body fluid-purification column according to claim 20 or 21, which is used for therapy of sepsis.
- 23. A method for adsorbing high-mobility-group proteins in body fluid, comprising contacting said adsorbent according to any one of claims 1 to 18 with body fluid so as to adsorb said high-mobility-group proteins in said body fluid to said adsorbent.
- The method according to claim 23, which is carried out by using said body fluid-purification column according to any one of claims 20 to 22.
 - 25. The method according to claim 23 or 24, wherein said body fluid is blood.
 - 26. The method according to any one of claims 24 to 25, which is carried out for therapy of sepsis.
 - 27. The method according to claim 26, which is carried by using said body fluid-purification column according to any one of claims 20 to 22 together with (a) body fluid-purification column(s) which adsorb(s) (a) substance(s) originated from bacteria.
 - 28. Use of said adsorbent according to any one of claims 1 to 18 for production of adsorbent material for adsorbing high-mobility-group proteins in body fluid.
- 20 29. The use according to claim 27, wherein said body fluid is blood.
 - 30. The use according to claim 27 or 28, wherein said adsorbent material is for therapy of sepsis.